Attorney Docket No. 249/286 DIV

IFW



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Notice of Allowance Mailed:

December 9, 2004

In re the Application of

Soo-doo CHAE, et al.

Previously Pending in

Art Unit:

2818

Examiner:

Dung Anh LE

Filed:

Serial No.

October 9, 2003

10/681,346

Confirmation No.

8321

For:

METHOD FOR MANUFACTURING A SINGLE

ELECTRON MEMORY DEVICE HAVING QUANTUM DOTS BETWEEN GATE ELECTRODE AND SINGLE

ELECTRON STORAGE ELEMENT

REQUEST FOR ACKNOWLEDGMENT OF ENTRY OF PREVIOUSLY SUBMITTED INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Mail Stop: ISSUE FEE Commissioner for Patents Alexandria, VA 22313-1450

Sir:

An Information Disclosure Statement ("IDS") was timely filed on October 9, 2003. A print-out from the PTO file wrapper image data base and copy of the document printed from same are attached, evidencing that this paper is of record herein.

To date the Examiner has not acknowledged receipt and entry of the reference(s) identified therein.

Applicant respectfully requests that the listed document(s) be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

For the Examiner's convenience, also enclosed are copies of the two non-U.S. patent references identified in the IDS.

FEE PAYMENT

In view of the timely filing of the IDS (on the original date of filing the captioned divisional application), no fee under 37 C.F.R. §1.17(p) appears applicable.

Respectfully submitted,

December 30, 2004

Date

Eugene M. Lee

Registration No. 32,039

LEE & STERBA, P.C. 1101 WILSON BOULEVARD, SUITE 2000 ARLINGTON, VA 22209 703.525.0978 TEL 703.525.4265 FAX

DEPOSIT ACCOUNT CHARGE AUTHORIZATION

If fee payment is enclosed, this amount is believed to be correct. However, the Director is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. <u>50-1645</u>.

Any additional fee(s) necessary to effect the proper and timely filing of the above-paper may also be charged to Deposit Account No. <u>50-1645</u>.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 249/286 DIV.

In re patent application of

Soo-Doo CHAE, et al.

Serial No.

[Division of Serial No. 10/125,597, filed April 19, 2002]

Filed:

October 9, 2003

For: SINGLE ELECTRON MEMORY DEVICE COMPRISING QUANTUM DOTS BETWEEN GATE ELECTRODE AND SINGLE ELECTRON STORAGE ELEMENT AND METHOD FOR

MANUFACTURING THE SAME

INFORMATION DISCLOSURE STATEMENT **UNDER 37 C.F.R. \$1.56**

Commissioner for Patents Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB08 (A and/or B) is a listing of a document(s) known to applicant in order to comply with applicant's duty of disclosure pursuant to 37 C.F.R. §1.56. These references correspond to the art cited during prosecution of parent application Serial No. 10/125,597, having a filing date of April 19, 2002, on which applicant relies under 35 U.S.C. 120. Accordingly, copies of the references need not be submitted; 37 C.F.R. §1.98(d)(1).

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application. Applicant does not waive any rights to take any action that would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie prior art reference against the claims of the present application.

M	The listed document(s) is/are being cited in compliance with 37 C.F.R. 1.97(b)(3):
submission bef	ore the mailing date of the first action on the merits. [Box checked if applicable.]
	The foregoing document came to applicant's attention during the prosecution of
their correspon	ding Korean application. [Box checked if applicable.]

CERTIFICATION

The undersigned hereby certifies in accordance with 37 CFR §1.97(e)(1) that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Statement. [Box checked if applicable.]

Applicant respectfully requests that the listed document(s) be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

FEE PAYMENT

The fee mandated by 37 C.F.R. §1.17(p) is believed applicable. [Box checked if
applicable.]
Attached is a check in payment of this fee (\$180.00). [Box checked if applicable.]
This fee may be charged to Deposit Account No. 50-1645. (A duplicate copy of
this paper is enclosed.) [Box checked if applicable.]

Respectfully submitted,

October 9, 2003

Date

Eugene M. Lee

Registration No. 32,039

LEE & STERBA, P.C. 1101 Wilson Boulevard, Suite 2000 Arlington, Virginia 22209

Telephone: (703) 525-0978

DEPOSIT ACCOUNT CHARGE AUTHORIZATION

If fee payment is enclosed, this amount is believed to be correct. However, the Director is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-1645.

Any additional fee(s) necessary to effect the proper and timely filing of the above-paper may also be charged to Deposit Account No. 50-1645.

DEL 3 1 2004 JULI

PTO/SB/08A (04-03) Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE

substitute for form 1449/PTO

Sheet 1

STATEMENT BY APPLICANT

of 1

(Use as many sheets as necessary)

Complete if Known				
Application Number	1			
Filing Date	October 9, 2003			
First Named Inventor	Soo-Doo CHAE, et al.	_		
Art Unit		_		
Examiner Name				
Attorney Docket Number	2/0/286 DIV	_		

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		^{US-} 5,952,692	09-14-1999	NAKAZATO, et al		
	-	US-	30 11 1000	1.0.00	- 	
	 -	ÚS-	- 	 	- 	
	<u> </u>	US-	- : 		 	
		US-				
	 	US-				
		US-				
	i	US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
·		US-				
	1	US-				

		FORE	IGN PATENT DOCL	MENTS		
Examiner Cite Initials* No.	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁸ (if known)	MM-DD-YYYY	,,,	Or Relevant Figures Appear	
		KR 1999-0052177*	07-05-1999	BAEK, et al.		V
		JP 2000-150862*	05-30-2000	SAKUMOTO, et al		V
		*w/English Abstract				
	—					┡
	├					
	l	1	ŀ		l .	

Examiner		Date	
Signature		Considered	
Oignature		00.10.00.00	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.